

LOCATION – Lat 21° 09' 01"N, Long 156° 55' 29"W, Island of Molokai, Maui County, Hydrologic Unit 20050000, 7.0 miles northeast of Kaunakakai, Molokai, HI, 1.75 miles south of confluence with Pacific Ocean, about 100 feet below diversion for Molokai Irrigation System pump station.

DRAINAGE AREA – 2.4 mi².

PERIOD OF RECORD – June 1992 to September 1996.

GAGE – Water-stage recorder. Elevation of gage is 720 feet above mean sea level, as determined by USGS 7.5 minute map (NAD 27).

REMARKS – Daily discharge values are considered poor due to numerous data corrections.

Discharge, cubic feet per second
WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES

[illegible]

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1993, BY WATER YEAR (WY)

[illegible]

NATIONAL PARK SERVICE
Kalaupapa National Historical Park – Water Year 1994
210902156553201 Lower Waikolu Stream, Hawaii

LOCATION –Lat 21° 09' 01"N, Long 156° 55' 29"W, Island of Molokai, Maui County, Hydrologic Unit 20050000, 7.0 miles northeast of Kaunakakai, Molokai, HI, 1.75 miles south of confluence with Pacific Ocean, about 100 feet below diversion for Molokai Irrigation System pump station.

DRAINAGE AREA – 2.4 mi².

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GAGE – Water-stage recorder. Elevation of gage is 720 feet above mean sea level, as determined by USGS 7.5 minute map (NAD 27).

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Discharge, cubic feet per second
WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.47	0.92	4.4	0.39	0.96	0.74	2.1	2.1	---	0.15	0.33	1.3
2	0.63	0.86	2.5	0.40	1.2	1.2	2.1	1.6	---	0.15	0.34	2.3
3	1.9	2.3	3.0	0.37	1.0	1.4	2.1	---	---	0.15	0.36	4.9
4	2.1	3.1	18	0.35	19	1.4	1.4	---	---	0.14	0.37	2.2
5	2.5	0.67	4.3	0.34	7.9	1.5	2.0	---	---	0.14	0.38	1.9
6	2.0	0.52	---	24	9.4	1.4	2.0	---	---	0.17	0.38	1.3
7	0.47	0.48	6.1	2.0	1.1	1.3	1.7	---	---	14	0.37	1.1
8	1.5	3.0	3.2	0.86	3.5	1.2	2.3	---	---	0.30	0.35	2.8
9	2.3	23	2.3	0.71	4.0	1.3	2.2	---	---	0.16	0.63	3.1
10	2.0	1.5	2.2	0.67	1.6	1.3	3.2	---	---	0.14	1.7	2.4
11	1.8	0.55	2.2	0.64	5.6	29	16	---	---	0.26	1.8	2.1
12	0.84	0.85	2.4	0.58	22	40	57	---	---	0.12	2.2	10
13	2.2	1.2	3.5	0.62	2.2	5.9	16	---	---	0.12	2.4	2.7
14	0.87	3.9	2.8	0.55	55	6.1	3.6	---	---	0.12	2.3	2.3
15	---	0.76	2.3	0.53	1.7	3.5	2.9	---	---	1.1	1.7	2.0
16	---	3.3	2.3	0.55	1.2	1.5	2.3	---	---	0.50	2.0	1.2
17	---	4.8	4.8	---	12	2.1	2.6	---	0.49	3.1	2.5	1.4
18	---	2.5	7.8	---	0.76	1.0	4.5	---	8.3	7.7	2.5	3.9
19	---	2.4	6.7	---	0.72	1.7	37	---	2.0	0.12	3.5	10
20	---	2.4	2.5	---	0.58	4.6	56	---	0.20	0.12	3.4	1.3
21	---	2.3	2.4	---	0.63	5.1	10	---	0.19	0.12	2.4	1.2
22	---	7.1	2.2	---	0.66	10	9.3	---	0.34	0.12	1.8	1.4
23	---	149	2.1	---	---	104	3.8	---	0.37	0.13	5.0	0.66
24	---	10	2.1	---	0.81	133	3.4	---	0.44	0.95	5.0	0.64
25	---	6.1	2.0	---	0.62	128	2.8	---	31	0.59	2.3	0.67
26	---	16	2.0	---	0.60	14	2.4	---	0.81	1.5	8.9	0.64
27	---	15	1.0	---	0.62	25	2.1	---	2.9	3.0	0.61	0.75
28	---	4.6	0.37	---	0.61	11	2.1	---	0.29	---	0.39	0.76
29	---	5.6	0.36	0.87	---	3.2	1.6	---	0.17	---	2.2	0.69
30	---	6.1	0.35	0.84	---	1.4	2.0	---	0.15	---	1.6	0.68
31	1.9	---	0.35	0.80	---	2.0	---	---	---	---	1.4	---
TOTAL	---	280.81	---	---	---	544.84	258.5	---	---	---	61.11	68.29
MEAN	---	9.36	---	---	---	17.6	8.62	---	---	---	1.97	2.28
MAX	---	149	---	---	---	133	57	---	---	---	8.9	10
MIN	---	0.48	---	---	---	0.74	1.4	---	---	---	0.33	0.64
AC-FT	---	557	---	---	---	1080	513	---	---	---	121	135

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1994, BY WATER YEAR (WY)

MEAN	---	9.36	---	---	---	17.6	8.62	---	---	---	1.97	1.66
MAX	---	9.36	---	---	---	17.6	8.62	---	---	---	1.97	2.28
(WY)	---	1994	---	---	---	1994	1994	---	---	---	1994	1994
MIN	---	9.36	---	---	---	17.6	8.62	---	---	---	1.97	1.04
(WY)	---	1994	---	---	---	1994	1994	---	---	---	1994	1993

SUMMARY STATISTICS

WATER YEARS 1993 - 1994

HIGHEST DAILY MEAN	149	Nov 23 1993
LOWEST DAILY MEAN	0.12	Jul 12 1994
ANNUAL SEVEN-DAY MINIMUM	0.15	Jun 29 1994

NATIONAL PARK SERVICE
Kalaupapa National Historical Park – Water Year 1995
210902156553201 Lower Waikolu Stream, Hawaii

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GAGE – Water-stage recorder. Elevation of gage is 720 feet above mean sea level, as determined by USGS 7.5 minute map (NAD 27).

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Discharge, cubic feet per second
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.74	1.1	8.4	0.32	1.3	---	0.67	0.40	1.3	1.3	3.4	0.91
2	0.75	2.1	0.85	0.29	1.5	---	0.40	1.2	0.97	0.82	1.5	1.3
3	0.68	0.83	13	0.33	1.5	---	17	1.6	1.3	0.74	1.0	1.3
4	0.56	2.7	0.40	0.98	1.5	---	95	0.53	1.6	1.1	0.96	1.3
5	0.53	1.8	2.5	0.72	3.8	---	3.7	0.88	1.4	0.78	1.3	1.0
6	0.53	0.29	2.8	0.41	10	---	0.67	8.4	0.92	1.0	1.3	0.99
7	0.50	2.7	39	0.28	0.84	---	1.1	6.7	4.8	0.82	0.91	1.0
8	0.54	0.86	19	0.28	1.4	---	1.9	1.1	0.46	1.2	0.98	0.92
9	0.53	1.6	13	0.55	1.2	2.0	1.9	0.34	1.1	1.2	2.1	---
10	0.47	6.4	33	0.64	4.8	0.44	0.64	0.32	1.5	1.0	1.2	---
11	0.45	1.5	7.3	0.93	0.46	0.36	0.92	0.33	1.5	0.90	2.9	---
12	0.50	5.1	1.2	2.1	0.27	0.60	1.9	2.4	1.4	0.82	1.6	0.65
13	0.38	8.9	0.78	2.1	0.73	6.6	2.0	0.29	1.3	0.81	1.4	0.59
14	0.33	4.1	---	11	35	0.47	3.3	0.30	1.5	0.92	1.0	0.58
15	0.35	1.2	0.55	3.1	2.5	0.33	12	2.6	1.5	1.1	0.92	0.62
16	0.36	18	1.1	0.34	1.1	0.29	5.7	4.8	1.5	1.2	2.4	0.77
17	0.33	11	2.5	0.37	1.0	0.29	0.64	2.3	1.7	0.90	2.4	0.78
18	1.5	12	0.55	0.44	1.4	0.29	0.73	0.41	1.7	0.82	1.4	0.71
19	2.4	1.6	0.47	0.81	1.3	0.84	1.8	0.33	1.7	0.94	1.2	0.62
20	0.41	1.1	0.44	0.48	1.3	1.1	1.3	0.31	1.7	1.7	1.2	0.54
21	0.79	1.0	0.40	0.32	0.88	1.3	1.3	0.31	1.7	0.65	1.2	0.64
22	0.29	1.7	0.37	0.31	1.2	2.0	44	0.31	1.7	0.36	0.93	0.57
23	0.29	1.3	0.37	0.35	0.94	0.99	20	0.31	1.7	0.37	0.94	0.68
24	0.80	1.6	0.34	0.62	0.94	1.2	1.9	0.31	1.6	0.59	1.0	0.66
25	0.36	0.92	0.32	0.68	7.2	1.4	9.8	0.30	1.5	7.2	1.1	0.55
26	0.93	0.77	0.31	0.70	3.2	1.6	---	0.29	1.5	12	1.4	0.55
27	2.1	0.36	0.30	0.80	0.99	3.4	---	0.29	1.4	0.74	8.8	0.58
28	2.1	0.74	0.29	30	2.2	14	4.9	0.29	1.4	0.83	1.1	0.51
29	2.1	0.70	7.5	42	---	12	0.60	0.30	1.3	1.2	0.91	0.69
30	2.0	0.81	1.7	2.0	---	30	0.33	0.73	1.4	1.2	1.2	0.82
31	2.0	---	0.40	1.0	---	3.4	---	0.96	---	0.86	0.97	---
TOTAL	26.60	94.78	---	105.25	90.45	---	---	39.94	46.05	46.07	50.62	---
MEAN	0.86	3.16	---	3.40	3.23	---	---	1.29	1.53	1.49	1.63	---
MAX	2.4	18	---	42	35	---	---	8.4	4.8	12	8.8	---
MIN	0.29	0.29	---	0.28	0.27	---	---	0.29	0.46	0.36	0.91	---
AC-FT	53	188	---	209	179	---	---	79	91	91	100	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1995, BY WATER YEAR (WY)

MEAN	0.86	6.26	---	3.40	3.23	17.6	8.62	1.29	1.53	1.49	1.80	1.66
MAX	0.86	9.36	---	3.40	3.23	17.6	8.62	1.29	1.53	1.49	1.97	2.28
(WY)	1995	1994	---	1995	1995	1994	1994	1995	1995	1995	1994	1994
MIN	0.86	3.16	---	3.40	3.23	17.6	8.62	1.29	1.53	1.49	1.63	1.04
(WY)	1995	1995	---	1995	1995	1994	1994	1995	1995	1995	1995	1993

SUMMARY STATISTICS

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Discharge, cubic feet per second
WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.64	0.42	0.26	0.70	0.31	---	3.7	2.1	2.3	0.75	0.60	1.4
2	0.40	0.39	0.25	0.49	0.34	---	0.64	1.8	2.3	0.66	0.65	1.4
3	0.48	0.50	0.25	0.36	0.41	---	0.65	1.9	2.1	0.92	0.60	0.91
4	0.38	0.49	0.29	0.25	0.40	---	1.2	2.4	2.0	1.8	0.60	0.66
5	0.41	0.49	0.35	0.98	0.28	---	1.1	2.4	2.0	21	0.60	0.50
6	0.36	0.39	0.32	0.25	0.35	---	0.63	2.3	2.1	2.4	0.72	0.50
7	1.2	0.39	0.34	9.6	45	0.67	0.63	2.1	2.0	1.6	0.60	0.53
8	6.7	0.37	0.37	1.9	16	1.1	1.0	1.9	2.2	0.74	0.60	0.54
9	0.41	0.38	0.41	0.32	0.48	1.1	1.2	2.0	16	0.77	0.60	0.61
10	0.40	0.47	0.40	0.31	2.1	1.0	1.2	2.2	4.4	0.83	0.60	0.65
11	0.35	0.46	0.26	0.29	0.58	1.2	1.2	2.2	2.2	1.6	0.59	0.64
12	0.28	0.70	0.24	0.31	0.39	1.3	1.5	2.2	2.0	1.2	0.50	0.47
13	0.22	18	0.25	0.40	0.37	1.2	1.8	2.2	1.3	1.4	0.43	0.46
14	0.22	25	0.26	0.40	17	1.2	3.4	1.9	1.6	1.4	0.42	0.46
15	0.39	0.46	0.25	0.40	59	1.0	2.5	1.7	2.1	1.6	0.67	0.46
16	0.37	---	0.25	0.28	13	1.2	3.2	1.2	2.0	1.4	1.1	0.45
17	0.35	---	0.25	2.8	0.35	1.2	0.98	1.8	1.4	1.2	1.2	0.70
18	0.31	---	0.27	0.30	0.33	1.1	9.5	2.2	---	1.1	1.3	0.63
19	0.27	---	0.32	0.30	0.32	1.1	2.1	2.6	---	3.1	0.68	0.54
20	0.27	---	0.33	0.40	0.50	1.1	2.1	2.6	---	1.6	0.53	0.49
21	0.44	---	0.34	0.39	0.59	13	2.6	2.5	1.2	1.5	0.62	0.48
22	0.42	0.40	0.27	0.31	0.43	1.7	2.0	2.6	1.6	1.4	0.53	0.48
23	0.39	0.50	0.25	0.27	0.53	8.7	1.8	2.6	1.8	1.4	0.54	0.49
24	0.49	0.38	0.25	0.27	0.56	26	2.1	2.7	0.99	0.79	0.54	0.46
25	0.51	0.46	0.26	0.27	1.9	2.7	2.1	2.4	1.4	0.63	0.55	---
26	0.49	0.46	0.25	0.34	2.0	1.5	2.3	2.4	1.4	0.67	0.55	---
27	0.45	0.28	0.25	0.42	24	1.3	2.6	2.4	1.3	0.60	0.75	---
28	0.55	0.25	0.24	2.7	---	1.3	3.1	8.6	1.1	0.60	1.4	---
29	34	0.30	0.26	0.32	---	1.3	3.0	3.4	1.6	0.60	1.4	---
30	1.3	0.27	23	0.38	---	87	1.7	2.6	1.5	0.60	1.4	---
31	0.62	---	44	0.38	---	40	---	2.5	---	0.60	1.4	---
TOTAL	54.07	---	75.29	27.09	---	---	63.53	76.4	---	56.46	23.27	---
MEAN	1.74	---	2.43	0.87	---	---	2.12	2.46	---	1.82	0.75	---
MAX	34	---	44	9.6	---	---	9.5	8.6	---	21	1.4	---
MIN	0.22	---	0.24	0.25	---	---	0.63	1.2	---	0.60	0.42	---
AC-FT	107	---	149	54	---	---	126	152	---	112	46	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1996, BY WATER YEAR (WY)

MEAN	1.30	6.26	2.43	2.13	3.23	17.6	5.37	1.88	1.53	1.65	1.45	1.66
MAX	1.74	9.36	2.43	3.40	3.23	17.6	8.62	2.46	1.53	1.82	1.97	2.28
(WY)	1996	1994	1996	1995	1995	1994	1994	1996	1995	1996	1994	1994
MIN	0.86	3.16	2.43	0.87	3.23	17.6	2.12	1.29	1.53	1.49	0.75	1.04
(WY)	1995	1995	1996	1996	1995	1994	1996	1995	1995	1995	1996	1993

SUMMARY STATISTICS

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